

What is claimed is:

1. An apparatus comprising:

a sleeve sized to receive a bar, the sleeve comprising a nub; and
a movable assembly comprising a spindle and a bracket, the bracket sized to fit over
either of the bar and the nub.

2. The apparatus of claim 1, the movable assembly further comprising:

a drive axle coupled by way of gears to the spindle, the gears configured to amplify a
torque applied to the drive axle and to apply the amplified torque to turn the spindle.

3. The apparatus of claim 2 further comprising:

the movable assembly configured for mounting a power drill with a chuck of the power
drill positioned to receive the drive axle.

4. The apparatus of claim 1, the bar and the sleeve further comprising holes which when
aligned may receive a pin to secure the bar within the sleeve.

5. The apparatus of claim 1 in which the sleeve is sized to receive the bar of a standard
trailer hitch.

6. The apparatus of claim 4, the nub and the bracket further comprising holes which
when aligned may receive a pin to secure the movable assembly to the nub.

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1 7. An apparatus comprising:

2 a boom comprising at least one bar and sleeve; and

3 a movable spindle;

4 wherein the sleeve is adapted to receive an end of the bar, and both the sleeve and the bar
5 are adapted to mount the movable spindle.

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1 8. The apparatus of claim 7 wherein the sleeve comprises a nub having a width

2 substantially the same as the width of the bar, and wherein the movable spindle

3 comprises a mount sized to receive a width of either of the bar and the nub.

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1 9. The apparatus of claim 7 wherein the movable spindle comprises a drive axle and

2 gears to step up a torque applied to the drive axle to turn the spindle.

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1 10. The apparatus of claim 7 wherein the drive axle is adapted to receive the chuck of a
2 power drill.

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1 11. An apparatus comprising:

2 a sleeve sized to receive a bar, the sleeve comprising a nub;

3 a movable gearbox assembly comprising a mount to receive a power drill and a bracket

4 sized to fit over either of the bar and the nub;

5 a mechanism to depress the power switch of the power drill when the power drill is

6 mounted to the gearbox assembly; and

7 a foot pedal assembly to couple the power drill to a power source when the foot pedal is
8 operated.

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1 12. The apparatus of claim 11 further comprising:

2 a base assembly comprising a pivot for setting the angle of a boom, the boom comprising
3 at least one bar and sleeve.

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5 13. An apparatus comprising:

6 a base assembly comprising a pivotable base bar;
7 a boom comprising a sleeve to receive an end of the base bar at a first end and to receive
8 an end of the extension bar at a second end, the sleeve comprising a nub having
9 substantially the same width as the extension bar; and
10 a movable spindle assembly adapted to mount over either the extension bar or the nub of
11 the sleeve.

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1 14. The apparatus of claim 1 further comprising:

2 a foot pedal which, when operated, provides power to a torque source to turn the spindle.

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1 15. The apparatus of claim 1 further comprising:

2 a first pulley assembly coupled to the boom and a second pulley assembly coupled to the
3 first pulley assembly, the first pulley assembly comprising a first pulley axle substantially
4 orthogonal to a second pulley axle of the second pulley assembly.

- 1 16. The apparatus of claim 3 further comprising:
- 2 a bushing assembly comprising a bay; and
- 3 a bushing having a lengthwise opening aligned with the bay.

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